VPCEB190X - Configure-to-Order

VAIO® EB Series Notebook PC

Colorful Life. Colorful PC.

POWERFUL PERFORMANCE

Enjoy the powerful performance of an Intel® Core™ i5 processor with Intel® Turbo Boost Technology[21] up to (2.93GHz) and available 8GB of pre-installed system memory.

The VAIO® E Series notebook comes pre-installed with Genuine Microsoft® Windows® 7 Home Premium or Professional.

An available ATI Mobility Radeon™ HD 5470 graphics card with 512MB VRAM offers smooth HD playback.

Store your favorite multimedia, important documents, and cherished family photos on a Serial ATA hard drive.

Fall in love with your favorite movies all over again with an extra-wide, theater inspired 15.5" (1366x768) display[4].

SMARTER TECHNOLOGY

A built-in Assist button launches VAIO Care™ software, a simple do - it yourself PC maintenance tool for tune-ups, troubleshooting and more.

Enjoying your media has never been more fun with the uniquely smart and easy-to-use Sony® Creativity Suite. Get instantly organized with smart sorting features, create personal masterpieces with easy-to-use creative tools and rediscover forgotten music and memories with breakthrough technology that recommends content based on your unique listening and viewing habits.

BORN FROM SONY® HD TECHNOLOGY

A available Blu-ray Disc™ optical drive lets you playback[19] Blu-ray Disc™ movies in crystal-clear resolution.

Take advantage of the convenience and utility of DVD and CD read/write functionalities.

An HDMI™ output delivers video and audio to external sources via a single cable so you can enjoy HD entertainment on your compatible big screen TV without a myriad of extra cables (HDMI™ cable sold separately)[16].

ADD A SPLASH OF COLOR

Make your E Series notebook uniquely yours with add-on accessories.

Available in a variety of colors, keyboard skins allow you to decorate the inside of your PC from black or white to green, purple, pink or blue.

Available Bluetooth Slider Mice (VGP-BMS15) and interchangeable lids also let you coordinate the color of your E Series PC or your keyboard skin.

With a wide assortment of accessories and colors, you can change up the look of your PC to match the season, your outfit or your mood. The possibilities are endless.

Performance and multimedia entertainment in a colorful and affordable 15.5" widescreen notebook[4] with an integrated number pad. An available Intel® Core™ i5 processor, Blu-ray Disc™ drive[19] and ATI™ dedicated graphics gives you smart performance and amazing picture quality all in a sleek, up-market design.

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Specifications

General

Computer Type: Notebook

Action Buttons: VAIO, Assist, Web button, Wireless on / off

Pointing Device: Electro-static touchpad

Hardware

Keyboard: QWERTY, 103 keys with 2.0mm stroke and 19.05mm pitch

Camera: Built-in MOTION EYE® camera and microphone with face-tracking technology

10-Key Numeric Pad: Yes

Processor

Type: Intel® Core® i5-520M Processor (Configuration 1), Intel® Core® i3-350M Processor (Configuration 2), Intel® Core® i3-330M Processor (Configuration 3)

Speed: 2.40 with Turbo Boost Technology up to 2.93GHz (Configuration 1) 2.26GHz[1] (Configuration 2), 2.13GHz[1] (Configuration 3)

Technology: Intel® Turbo Boost Technology[21]

L3 Cache: 3MB

Memory

Installed: 8GB (4GBx2) 6GB (4GB+2GB), 4GB (2GBx2)

Maximum: 8GB

Type/Speed: DDR3/1066MHz

Hard Drive

Capacity: 500GB (Configuration 1), 320GB (Configuration 2)

Speed: 5400rpm (Configuration1-2) 7200rpm (Configuration1-2)

Type: Serial ATA

Optical Drive

BD-R DL Read: 4x max (available with BD-ROM and Blu-Ray disc option option)

BD-R DL Write: 4x max (only available with Blu-Ray Disc option)

BD-R Read: 6x max (available with BD-ROM and Blu-Ray disc option option)

BD-R Write: 6x max (only available with Blu-Ray Disc option)

BD-RE DL Read: 4x max (available with BD-ROM and Blu-Ray disc option option)

BD-RE DL Write: 2x max (only available with Blu-Ray Disc option)

BD-RE Read: 4x max (available with BD-ROM and Blu-Ray disc option option)

BD-RE Write: 2x max (only available with Blu-Ray Disc option)

BD-ROM Read: 6x max (available with BD-ROM and Blu-Ray disc option option)

Blu-ray Disc™ Support: Read Only[19] (BD-ROM)

CD Support: Read / Write (CD/-R/-RW)

DVD Support: Read / Write (DVD±R/±RW/±R DL/-RAM)

Expansion Slots

Multimedia Card Reader: One Memory Stick PRO™ (STD / Duo) media slot with MagicGate® functionality
One ExpressCard® /34 media slot
One Secure Digital (SD memory card) media slot

Audio

Sound System: Intel® High Definition Audio

Display

Screen Size: 15.5"[4]

Resolution: 1366 x 768

Graphics

Processor: ATI Mobility Radeon™ HD 5470 Total Available Graphics Memory up to 3579MB (max.) (Configuration 1) or Intel® Graphics Media Accelerator HD Total Available Graphics Memory up to 1760 (max.)[10]

Video RAM: 512MB of dedicated video RAM (Configuration 1)

Chipset: Mobile Intel® HM55 Express Chipset

Max. External Resolution via VGA: 2048x1536

Max. External Display Resolution via HDMI™ : 1920x1080[16]

Inputs and Outputs

Headphone Jack: 1

Microphone Input: 1

USB Port(s): 3 (USB) 2.0, 1 (eSATA)

VGA Output(s): 1

DC-In: 1

Ethernet Connection (s): 1

HDMI™ Output: 1

Internal Microphone: 1

Power

Battery Type: Standard Capacity Lithium-ion Battery

Estimated Battery Life: Up to 3.5 hours[7] Standard Capacity Battery

Start-up Times

Average Boot Time: 60 sec[17]

Average Resume Time from Suspend: 2 sec[17]

First Boot Time: 5 min[18]

Wireless/Networking

Ethernet Protocol: 10Base-T/100Base-TX/1000Base-T

Ethernet Speed: Fast Ethernet (RJ-45)

Wi-Fi: 802.11 b/g/n[3]

Bluetooth Technology: Integrated Stereo A2DP (2.1 + EDR)[20]

Software

Operating System: Microsoft® Windows® 7 Home Premium or Professional 64-bit[13]

Supplied Software: Microsoft® Works SE 9.0 w/ 60-Day Trial Version of Microsoft® Office Home and Student or Small Business 2007[12]

Anti-Virus Software: Norton Internet Security™ 2010 30-Day Trial Offer[14]

System Maintenance and Support: VAIO Care™ - System diagnostics and maintenance

Sony® Creativity Suite: PMB – VAIO® Edition - Import, organize, edit and publish in one easy-to-use program
VAIO® Media Gallery - Bring forgotten favorites to life
VAIO® Media Plus - Multimedia Streaming Software
*Please access VAIO® Help and Support from your PC for a complete list of software applications and trials.

Service and Warranty Information

Telephone Support: 1 year toll-free technical assistance available 24/7[9] at 888-476-6972

Online and Email Support: Available at http://www.esupport.sony.com/EN/VAIO

Onsite/In-Home Service: 1 year limited warranty with Onsite/In-Home Service[15]. See actual warranty for details.

International Service: 1 year international service plan. Registration required. See www.sony.com/IRSP for details.

Limited Warranty Term: 1 year limited warranty[8]. See actual warranty for details.

Environmental Information

EPEAT™ : Silver

RoHS®: Compliant

ENERGY STAR®: 5.0

Dimensions

Weight: 5.9 lbs (with standard capacity battery)

Measurements: 14.56"(W) x 1.22"(H) x 9.77"(D)[5]

Supplied Accessories

Standard Capacity Lithium-ion Battery (3500mAh)

AC Adapter

Power Cord

Optional Accessories

Stick AC Adapter (VGP-AC19V30)

Large Capacity Battery (VGP-BPS22A)

VAIO Backpack (VGP-CCB6/B)

Campus Messenger Bag (VGP-AMB14/B)

Reversible Carrying Case (VGP-AMC9)

Keyboard Skin (VGP-KBV3)

Bluetooth® Interchangeable Mouse (VGP-BMS15)

Bluetooth® Interchangeable Mice Covers (VGP-BMC15)

Color: Gunmetal Black, Coconut White, Black Sand, Hibiscus Pink, Iridescent Blue, Caribbean Green

1. GHz denotes microprocessor internal clock speed and may vary.
2. GB means one billion bytes when referring to hard drive capacity. Accessible capacity may vary. A portion of hard disk space is reserved as a recovery partition.
3. Requires 802.11n compatible access point. Some functionality may require Internet services.
4. Viewable area measured diagonally.
5. Measured at the narrowest point
6. i.LINK is a trademark of Sony used only to designate that a product contains an IEEE 1394 connector. All products with an i.LINK connector may not communicate with each other.
7. Estimates only based upon Sony engineering testing. Actual performance will vary based on notebook settings, environmental conditions, and usage. Battery capacity decreases over time and use.
8. See actual limited warranty for details. For a copy of Sony's warranty, please visit www.sony.com/pcsupport, call toll-free 888-476-6972 (888-4SONYPC) or write to Sony Electronics, 12451 Gateway Boulevard, Fort Myers, FL 33913.
9. For certain third party software applications, Sony provides first level phone support. Additional telephone support may be available from the applicable 3rd party vendor. Availability and schedule for any such support is determined by the aplicable software vendor.
10. Total Available Graphics Memory refers to the new Windows® 7classification of graphics memory, which varies depending on the operating condition, version of device driver and system memory size.
11. Broadband Internet service required along with third party services which may require a subscription or other service fee.
12. 60-Day Trial Version of Microsoft® Office 2007 - This trial software will work only for 60 days after you first use it. You will not be able to use the software if you dont activate it as described the first time you use the software. You can activate the software by Internet: Internet service charges may apply. If you want to keep using the software after the 60-day trial period, you must convert to the perpetual version. You can convert online by following the conversion instgructions presented during setup and paying the required fees.
13. Compatibility and performance in a 64-bit environment may vary.
14. Norton Internet Security™ 2010 30-day subscription is pre-installed on your Sony VAIO PC. You need to activate the software for the product to work. After your 30-days are finished, buy Norton Internet Security to continue to be protected from viruses, hackers and identify theft.
15. When available, Sony will provide Onsite/In-Home Service in fulfillment of its limited warranty obligations. Any such services are subject to the terms and conditions of the limited warranty. See actual Limited Warranty for details. Onsite/In-Home Service will be provided via third-party technician to be dispatched as needed following phone-based troubleshooting. Some repairs may be accomplished with self repair kits. Onsite/In-Home Service may not be available in all locations.
16. Requires high definition-capable display with HDMI™ connector. Image quality will vary.
17. Based on original factory image and will vary with product configuration changes and additional software added to the hard drive.
18. Excluding end user interaction
19. Certain circumstances may limit/prevent Blu-ray Disc™ media playback.
20. Interoperability and compatibility among Bluetooth® devices vary.
20. Intel Turbo Boost Technology performance varies depending on hardware, software and overall system configuration. Check with your PC manufacturer on whether your system delivers Intel Turbo Boost Technology. For more information, see http://www.intel.com/technology/turboboost

Computer Interface: For this product, there are a multitude of varying software packages and add-on hardware options. This product is not manufactured to work with any specific software, and Sony does not and cannot make any warranty or representation with respect to the performance of this product with any particular software packages and/or non-Sony add-on hardware options except those mentioned here. Sony hereby disclaims any representations or warranties that this product is compatible with any combination of non-Sony products you may choose to connect to it. While Sony representatives or Sony authorized dealers may be able to assist you and may make recommendations, they are NOT authorized to vary or waive this disclaimer. Purchasers must determine for themselves the suitability and compatibility of the hardware and software in each and every particular instance. Software titles pre-installed on the Sony computer are subject to change without notice. Preinstalled software may not be identical to retail versions or have all documentation. Features and specifications are subject to change without notice. Non-metric weights and measures are approximate and may vary.
Lamp in this product contains mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance (www.eiae.org).
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